

## REMARKS

Claims 50-79 are pending in the application. Claims 78-79 are newly added. Claims 50-63 and 68-74 were rejected under 35 U.S.C. §103(a) as described on pages 2-3 of the Office Action. Claims 63-67 were rejected under 35 U.S.C. §103(a) as described on pages 3-4 of the Office Action. Claims 75-76 were rejected under 35 U.S.C. §103(a) as described on page 4 of the Office Action. Claim 77 was rejected under 35 U.S.C. §103(a) as described on pages 4-5 of the Office Action. Claims 50, 72, 75, 78 and 79 are the only independent claims.

Claim 52 has been amended to correct "squire-shaped" to read --square-shaped--, as suggested on page 2 of the Office Action. Accordingly, it is respectfully requested that the objection to claim 52 be withdrawn.

Each of independent claims 50, 72 and 75 have been amended to require: the mask member to have a plurality of cavities arranged as a matrix on a plate; the micro-protrusions or micro-cavities to have a height or depth ranging from 10 to 50 nm; and 10 to 1,000,000 micro-protrusions or micro-cavities to be formed on a 1mm<sup>2</sup> surface of the substrate. Support for the amendments to the claims can be found in the specification, for example on page 7, lines 17-21.

Support for newly added claim 78 can be found in the Specification as filed, for example as illustrated in Fig. 18 and in the related portions of the text.

Support for newly added claim 79 can be found in the Specification as filed, for example as illustrated in Fig. 19 and in the related portions of the text.

It is respectfully submitted that the prior art of record, either singly or in combination, fails to teach or suggest micro-protrusions or micro-cavities having a height or depth ranging from 10 to 50 nm and 10 to 1,000,000 micro-protrusions or micro-cavities being formed on a 1mm<sup>2</sup> surface of a substrate, as required in each of independent claims 50, 72 and 75.

Furthermore, it is respectfully submitted that the prior art, either singly or in combination, fails to teach or suggest, disposing a plurality of wires arranged radially on a surface of a cylindrical body, as required in newly added independent claim 78.

Still further, it is respectfully submitted that the prior art of record, either singly or in combination, fails to teach or suggest, micro-protrusions or micro-cavities that are two-stage

protrusions having a plurality of top-stage protrusions and lower-stage protrusions, as required in newly added independent claim 79.

In light of the above discussion, it is respectfully submitted that claims 50, 72, 75, 78 and 79 are patentable over the prior art of record within the meaning of 35 U.S.C. §§ 102 and 103.

Claims 51-71, 73, 74, 76 and 77 are dependent upon claims 50, 72 and 75, respectively, and therefore include all of the limitations thereof. Accordingly, it is respectfully submitted that claims 51-71, 73, 74, 76 and 77 are additionally patentable over the prior art of record within the meaning of 35 U.S.C. §§ 102 and 103.

Having fully and completely responded to the Office Action, Applicants submit that all of the claims are now in condition for allowance, an indication of which is respectfully solicited.

If there are any outstanding issues that might be resolved by an interview or an Examiner's amendment, the Examiner is requested to call Applicants' attorney at the telephone number shown below.

Respectfully submitted,

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